

ABSTRACT OF THE DISCLOSURE

An EML transmitter having a band stop filter to improve the transmission characteristics before and after the transmission is provided. This is achieved by improving
5 the chirp characteristics and the extinction ratio during the transmission of optical signals using an EML. The inventive EML transmitter includes: an EML for generating transmission light; a first lens for focusing optical signal outputs from the EML to prevent loss of the optical signals; a second lens for focusing the optical signals into a core portion of an optical line; and, a band stop filter for removing the D.C. component from the optical
10 signals outputted by the EML.